

19980222.qrp v01\_n009.qrs.980222

Date: Sun, 22 Feb 1998 19:03:19 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 1009

QRP-L Digest 1009

Topics covered in this issue include:

- 1) [4458] Gear for sale (Fairly Long)  
by nq2rp@juno.com (B/BAMS Club Station)
- 2) [4459] RE: Elmer 101 - Your favorite DVM??  
by Ryan <ryans@willinet.net>
- 3) [4460] vertical dipole  
by jdenison@morelr.com (JOEL DENISON)
- 4) [4461] Sealed Lead-Acid Batteries  
by d.nordquest@juno.com
- 5) [4462] Hawaii QRP  
by wa8rxi@juno.com (Rick Arzadon)
- 6) [4463] Re: Elmer 101 - Your favorite DVM??  
by Erv <kb8tnq@voyager.net>
- 7) [4464] DX Contest  
by wa8rxi@juno.com (Rick Arzadon)
- 8) [4465] Re: DX Contest  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 9) [4466] DVM  
by tom whalen <whalen@swcp.com>
- 10) [4467] Re: DX Contest  
by Erv <kb8tnq@voyager.net>
- 11) [4468] TT2, Chassis question  
by JkHampton@aol.com
- 12) [4469] Correction  
by tom whalen <whalen@swcp.com>
- 13) [4470] Re: PC's & QRP Rigs  
by George Gingell <k3tks@u1.abs.net>
- 14) [4471] DX.....not!  
by tom whalen <whalen@swcp.com>
- 15) [4472] Subscribe to digest form?  
by "J. Rains, AA9KM" <rains@nku.edu>
- 16) [4473] Re: Elmer 101 - Your favorite DVM??  
by WD6BOR@aol.com
- 17) [4474] Re: Tuna Tin 2 - KIT Building Help  
by George Gingell <k3tks@u1.abs.net>
- 18) [4475] Don't give up on the higher bands late for DX  
by Jess Gypin <jessqrp@concentric.net>
- 19) [4476] ELMER101: RF Probes, Diode Detectors and Dummy Loads.

- by George Gingell <k3tks@u1.abs.net>
- 20) [4477] DX QRP contest with a real antenna :)  
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 21) [4478] Re: 2N2222 rig: Power amp improvement  
by traylor@ECE.OST.EDU (Roger Traylor)
- 22) [4479] test  
by "william j. champion" <jaccham@mindspring.com>
- 23) [4480] Vertical wire help  
by "william j. champion" <jaccham@mindspring.com>
- 24) [4481] Thanks to Chuck, KnightLites & N4SHE  
by "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
- 25) [4482] For Sale  
by "W.G. Sallee" <k6two@pacbell.net>
- 26) [4483] RE: Elmer 101 - Your favorite DVM??  
by Conrad <radman@best.com>
- 27) [4484] Re: Correction  
by wa8rxi@juno.com (Rick Arzadon)
- 28) [4485] Re: Interest in single lever paddle?  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 29) [4486] Re: Elmer 101 - Your favorite DVM??  
by LYN WILLIAMS <designserv@ipass.net>
- 30) [4487] Dan's not to accept orders from outside USA  
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 31) [4488] N/T+ pelt found on the road...  
by Chris Cartwright <ccart@dns.vidtel.com>
- 32) [4489] High in the Rocky Mtns {New Mexico}  
by wa5whn@juno.com
- 33) [4490] DX is still warm on the bands!  
by Jess Gypin <jessqrp@concentric.net>
- 34) [4491] Re: Interest in single lever paddle?  
by "Ron Smith" <resmith@primenet.com>
- 35) [4492] Re: Elmer 101 - Your favorite DVM??  
by "Claton Cadmus" <aplitech@spacestar.net>
- 36) [4493] Re: Key Clicks  
by Zack Lau <zlau@arrl.org>
- 37) [4494] Re: Elmer 101 - Your favorite DVM??  
by Phil <k6ls@prolynx.com>
- 38) [4495] Re: Interest in single lever paddle?  
by "Roger Whitaker [K9LJB]" <k9ljb@iname.com>
- 39) [4496] Pixie, KnightSMiTe SWBC Trap  
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 40) [4497] WTB Ten Tec Scout  
by "Kelly Ellison" <kelman@dialnet.net>
- 41) [4498] Re: Elmer 101 - Your favorite DVM??  
by "Roger Whitaker [K9LJB]" <k9ljb@iname.com>
- 42) [4499] K9LJB Web site update.  
by "Roger Whitaker [K9LJB]" <k9ljb@iname.com>
- 43) [4500] Re: Elmer 101 - Your favorite DVM??

- by "Bob Duckworth" <wb4mnf@atl.org>
- 44) [4501] SMiTe Kit  
by "john paul keon" <jpkeon@bellsouth.net>
- 45) [4502] Re: K9LJB Web site update.  
by Dave Sjolin <sjolin@swbell.net>
- 46) [4503] Re: Interest in single lever paddle?  
by "Ron Smith" <resmith@primenet.com>
- 47) [4504] Re: Pixie, KnightSMiTe SWBC Trap  
by Joseph Everhart <n2cx@voicenet.com>
- 48) [4505] Re: Elmer 101 - Your favorite DVM??  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 49) [4506] Re: K9LJB Web site update.  
by "Roger Whitaker [K9LJB]" <k9ljb@iname.com>
- 50) [4507] Re: Magnetic mounts  
by "Mark W. McCann" <mwmccann@centuryinter.net>
- 51) [4508] Re: K9LJB Web site update.  
by Monte Stark <ku7y@dri.edu>
- 52) [4509] Re: Interest in single lever paddle?  
by Vic Rosenthal <rakefet@rakefet.com>
- 53) [4510] TunaTin2 Web Page Updated!  
by KB9RPD@aol.com
- 54) [4511] Re: Dan's not to accept orders from outside USA  
by Vic Rosenthal <rakefet@rakefet.com>
- 55) [4512] HP test eqpt FS/trade  
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 56) [4513] xtal checker  
by "Arthur Moe" <KB7WW@chatusa.com>
- 57) [4514] 2N2222 Power am  
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
- 58) [4515] RE: xtal checker  
by Conrad <radman@best.com>
- 59) [4516] Re: Interest in single lever paddle?  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 60) [4517] Re: Dan's... payment on foreign orders  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 61) [4518] Re: Interest in single lever paddle?  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 62) [4519] CQC QSO Party  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 63) [4520] Single Lever Paddle  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 64) [4521] Re: Interest in single lever paddle?  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 65) [4522] QRP hamfest forum  
by K4NK@aol.com
- 66) [4523] Re: Interest in single lever paddle?  
by "Ron Smith" <resmith@primenet.com>
- 67) [4524] AL7FS Contest and Flea Market

by "Jim (AL7FS), Nancy (KL7NY), Juliann (WL7MP) & Issei"  
<larsennc@alaska.net>  
68) [4525] New Product: TiCK-EMB kit  
by n2jgu@juno.com (Gary M Diana)  
69) [4526] Scout 555/Argo 556  
by k7sz@juno.com  
70) [4527] CQC - Contest...  
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>  
71) [4528] 38S Enclosure USPS Inviso Ray victims?  
by doug hauff <slmachco@fix.net>  
72) [4529] Re: Vertical wire help  
by "Ken Hanks" <kennfd@ibm.net>

-----  
Date: Sat, 21 Feb 1998 18:58:42 EST  
From: nq2rp@juno.com (B/BAMS Club Station)  
To: qrp-1@Lehigh.EDU  
Subject: [4458] Gear for sale (Fairly Long)  
Message-ID: <19980221.185711.4551.1.nq2rp@juno.com>

Making some more changes at the home station, but gotta turn this gear  
into engravings to "expedite" the change-over :-)  
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Kenwood TS-520S - 160 - 10 Meter (no WARC bands). AC & DC supply built  
in (Has the DS-1A DC Module), 250 Hz CW filter and a matching AT-200  
tuner. Also the MC-50 desk mike and an UNASSEMBLED AADE DFD-2  
counter/frequency display.

Asking \$460 plus shipping  
-----

-----  
Tandy Model 100 laptop - This is an 8-bit, pre MS-DOS computer, limited  
memory, but very thrifty (It runs on 4 "AA" batteries). Terminal program  
built-in and makes a GREAT portable packet computer

Asking \$60 plus shipping  
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Dentron Super Tuner Plus - A bit on the LARGE size. Rated for 1 KW (Not  
QRP, but will work on lower power) covers 160 - 10 Meters.

Asking \$90 plus shipping  
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Midland 73-005 2 Meter HT - 3 power levels (0.4/2/5 watts) with the 12  
volt battery. Receives 136 - 174 MHz and transmits 144 - 148 MHz.

Comes with the 12 volt battery, wall-wart and rubber duck.

Asking \$125 plus shipping

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"CB" HT's - A pair of them that I picked up to convert to 10 Meters  
(never got ot it...)

A Radio Shack TRC-222 and a Maxon 27-LP. 40 channels, 5 or 1/2 watts,  
runs off "AA" batteries or the car cord

Asking \$20 each plus shipping

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If interested, or if you need more info, drop me a line here at the club,  
or directly to wb2vuo@frontiernet.net

72/73, Keith, WB2VUO at the keys at B/BAMS

NQ2RP - QRP-L # 1294, Byron/Bergen AMateurS Club Station

Listen for our 10 Mtr Milliwatting Beacon: 125 mW @ 28.287 MHz

"Our night light runs more power than our Rig!!!"

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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sat, 21 Feb 1998 18:58:05 -0600  
From: Ryan <ryans@willinet.net>  
To: qrp-l@Lehigh.EDU  
Cc: "D.K. Philbin" <dphilbin@slonet.org>  
Subject: [4459] RE: Elmer 101 - Your favorite DVM??  
Message-ID: <3.0.3.32.19980221185805.007c8540@mail.willinet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

If you are looking for a good inexpensive meter, check out  
<http://www.mmainteractive.com/electronics/forsale/> . Some  
have capacitince functions, frequency counters, etc for  
much less than \$100.

Ryan

KB0TKZ

>The time has come to retire my old Radio Shack Micronta pocket DVM.  
>  
>I am looking for a replacement DVM that includes a capacitance function. It  
>would be nice if it included Hfe as well.  
>I am not looking for a lab grade instrument but one that will serve me well  
>as I continue homebrewing.

-----  
Date: Sat, 21 Feb 1998 19:21:09 -0600 (CST)  
From: jdenison@morelr.com (JOEL DENISON)  
To: qrp-l@Lehigh.EDU  
Subject: [4460] vertical dipole  
Message-ID: <199802220121.TAA21180@m20.morelr.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Listened around with vertical dipole again today and decided it just  
won't beat the 80mtr dipole that's up about forty feet...

Thought I would try a half square or one half of a curtain ant...  
as I understand the ant I should have the current (radiating) point at the  
top and it should be vertically polarized. I will try it on forty or thirty  
and it should favor europe or africa or right down the medeterranean... :-)

I thought about a vertical loop but that would put the radiation  
part of the ant lower than the half square... but I could put a couple and  
make a beam toward europe on thirty or twenty.... hmmmmm...

any input appreciated... before I stomp around in the sneaux with my  
rod and reel casting rocks over favored branches... :-)

Did twenty minutes on the treadmill going uphill today... I think  
the arteries are open now... Time to play antenna... good antenna... good QRP...  
bye now  
joel in maine

God Bless  
Joel

WA5CVM  
Joel Denison  
PO BOX 542  
Strong, Maine 04983  
jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)  
Gentle Lady (RC Sail Plane)(049 engine - start)  
80 mtr dipole up 50ft  
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765  
AK/QRP 109

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Date: Sat, 21 Feb 1998 20:30:14 EST  
From: d.nordquest@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [4461] Sealed Lead-Acid Batteries  
Message-ID: <19980221.203112.4767.7.d.nordquest@juno.com>

Have enjoyed and put to use some of the latest posts on rejuvenating gel cells. The observation that the charging voltage across an excessively-discharged cell declines as it is being rejuvenated (as sulphate crystals break down and the internal resistance declines) was particularly helpful. By using a >10v per cell charging rate at a low constant current I was able to get cells to recharge that seemed a real lost cause. Previously, I had tried various techniques, including a short reversal of the charge, as a QST article suggested two or three years ago.

By the way, Gates is now Hawker and has a site at [www.hepi.com](http://www.hepi.com). Their Cyclon battery handbook is very useful, though I did not see the paragraph in it on sulfation that Mike K1mg posted here a few days ago. They have their battery newsletter on site, as well, & one issue tells of a 23-year-old Gates Cyclon cell that still lives!

Dave  
KE9ED

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Or call Juno at (800) 654-JUNO [654-5866]

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Date: Sat, 21 Feb 1998 20:31:37 EST  
From: wa8rxi@juno.com (Rick Arzadon)  
To: kh6b@juno.com  
Cc: qrp-1@lehigh.edu  
Subject: [4462] Hawaii QRP  
Message-ID: <19980222.013714.4775.1.WA8RXI@juno.com>

Dean,  
Thanks for the letter and Member #32 in HI QRP Club.  
I am looking forward to our QRP contact during your Hawaiian IOTA DXpedition  
18-19 April 1998 to Moku Ola Island (IOTA #0C-019).  
I will be listening for your club call AL0HA.

Well, with the PIXIES on 3.686 & 7.040, you'll have double the fun now!  
Will listen for you @ QRP calling Freq's during the DXpedition.

Thanks es

72, Rick Arzadon - WA8RXI Taylor, MI.

[QRP-L #1368][ARCI #9050][MI-QRP #587][G-QRP #9125][HI-QRP #32]

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Date: Sat, 21 Feb 1998 20:39:21 -0500  
From: Erv <kb8tnq@voyager.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [4463] Re: Elmer 101 - Your favorite DVM??  
Message-ID: <34EF81C8.A2CCEB04@voyager.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If I may offer an opinion.....I recently purchased (from Radio Shack) the True RMS Digital Multimeter, Cat. # 22-181B. It does it all and the best part is the price, only \$39.95 on clearance. You may want to hurry, as I got mine a week or two ago and they were running low on stock at that time. Once they are gone, they are gone for good.

7-3 and Good Luck,  
Erv KB8TNQ

Ryan wrote:

> If you are looking for a good inexpensive meter, check out  
> <http://www.mmainteractive.com/electronics/forsale/> . Some  
> have capacitance functions, frequency counters, etc for  
> much less than \$100.  
>  
> Ryan  
> KB0TKZ  
>  
> >The time has come to retire my old Radio Shack Micronta pocket DVM.  
> >  
> >I am looking for a replacement DVM that includes a capacitance function. It  
> >would be nice if it included Hfe as well.  
> >I am not looking for a lab grade instrument but one that will serve me well



> >as I continuine hambrewing.

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Please visit our Web Site at:  
<http://www.qsl.net/kb8tnq>

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"Dare to Dream, It Sets Your  
Spirit Free!"  
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Date: Sat, 21 Feb 1998 20:55:04 EST  
From: wa8rxi@juno.com (Rick Arzadon)  
To: qrp-1@Lehigh.EDU  
Subject: [4464] DX Contest  
Message-ID: <19980222.020013.4775.2.WA8RXI@juno.com>

Oh sure, was sitting on 20 Meters trying to work S50K in contest. Tried calling 5 times, I believe. Then while I was resting my fist, and not looking, K5FO pops his call ONCE works the guy and moves on! I must admit I was running a meer 1 Watt and Chuck was probably running a full 5 Watt Gallon...

72, Rick Arzadon - WA8RXI Taylor, MI.  
[QRP-L #1368][ARCI #9050][MI-QRP #587][G-QRP #9125][HI-QRP #32]

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-----  
Date: Sun, 22 Feb 1998 02:03:35 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: wa8rxi@juno.com  
Cc: qrp-1@lehigh.edu

Subject: [4465] Re: DX Contest  
Message-ID: <199802220203.CAA16373@chuck.dallas.sgi.com>

Rick,

Sorry to say, that I was not on 20M today during the contest,  
so the S50K that worked me has a busted Q. :-) Sure it wasn't  
K6F0? Norm works the contests a lot and there is Lynn W5F0 also.

Wow, what if I get DXCC this weekend without running any power....  
Now THAT's QRP. ;-)

You won't hear me run more than 2W for a long long time.

FYI

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
Date: Sat, 21 Feb 1998 19:05:31 -0700  
From: tom whalen <whalen@swcp.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [4466] DVM  
Message-ID: <34EF87EB.7E9C@swcp.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello Fellow Qrpers!

I bought a Sears DVM on sale for 29.95 last week. I really like it and  
works great!

Don't forget that Tech America sells a add on kit for reading  
capacitance and inductance with your DVM for 12.95 each.

Now, go build your RF Power Measurement by Frank,W4LJD in the last issue  
of QRPP on page 13. I built it yesterday and works great. Adjusted my  
Emtech for 4 watts out(20 volts rms).

72, Tom WB5QYT

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Date: Sat, 21 Feb 1998 21:07:57 -0500

From: Erv <kb8tnq@voyager.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [4467] Re: DX Contest  
Message-ID: <34EF887C.E75B332C@voyager.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

You all may be interested to know that Bil (W8EB) and Ron (ND5S) are working as PJ8A on St. Maarten Island. From what I have heard, they did well last year, but if you need that one for DXCC, give em a shout. They are out there at night, since (from what I am told and learning) 160 is only good at night.

Go get em' and someone tell them KB8TNQ sends his regards, please.

7-3,  
Erv KB8TNQ

Rick Arzadon wrote:

> Oh sure, was sitting on 20 Meters trying to work S50K in contest. Tried  
> calling  
> 5 times, I believe. Then while I was resting my fist, and not looking,  
> K5FO pops his call ONCE works the guy and moves on!  
> I must admit I was running a meer 1 Watt and Chuck was probably running  
> a full  
> 5 Watt Gallon...  
>  
> 72, Rick Arzadon - WA8RXI Taylor, MI.  
> [QRP-L #1368][ARCI #9050][MI-QRP #587][G-QRP #9125][HI-QRP #32]  
>  
> -----  
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> Or call Juno at (800) 654-JUNO [654-5866]

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Please visit our Web Site at:  
<http://www.qsl.net/kb8tnq>

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"Dare to Dream, It Sets Your  
Spirit Free!"  
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-----  
Date: Sat, 21 Feb 1998 21:37:44 EST  
From: JkHampton@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [4468] TT2, Chassis question  
Message-ID: <3547526b.34ef8f7a@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hello to the Group (And a fine group to be a member of, I'd like to add)

I have only got a few more parts to install and I will be ready to fire up mt TT2. Right now I am waiting for the Toroids to come in the mail but evarything else is finished. The chassis diagram shows the antenna connections to be run using standard hook-up wire. I had a few feet of RG174 so I made all my connections to S1 using RG174 and tied all the shields together at S1. From there the coax will connect to the pc board connections.

My question is, will the RG174 be better than, worse than or same as making the connections with regular hook-up wire?

Every time I have posted questions, the responce has been great. There are a lot of great people on this FB discussion. I am working on chapters 4,5 and in the 97 Handbook. Thanks to all the Elmers for their time.

72 de AC5JH      Tom

QRP-L 1319   Fists 2507      ARCI 9562

-----  
Date: Sat, 21 Feb 1998 19:39:40 -0700  
From: tom whalen <whalen@swcp.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [4469] Correction  
Message-ID: <34EF8FEC.135D@swcp.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Qrper's!

In my last post I stated that I had tuned up my rig to 20v rms, when I meant to say 14.14 rms.....the 20v is the peak reading...My Emtech would be smokin' along at 8 watts at 20v rms!!!

My new Emtech 20m is really working well tonight!!!  
Just worked a JH2AMH, and a V26B!!All on a 40 meter zepp!!

Question is....where the heck in V26 land anyhow?

Don't forget tomorrow to get on and operate on the CQC Contest. Starts Feb.22 at 2200 UTC till Feb. 23 0359....  
Will be on 40,20 and 10 meters.

72, Tom WB5QYT " Have spud will travel!"

-----  
Date: Sat, 21 Feb 1998 21:56:10 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: Steve Weber <kd1jv@ncia.net>  
Cc: QRP List <qrp-l@Lehigh.EDU>  
Subject: [4470] Re: PC's & QRP Rigs  
Message-ID: <Pine.BSI.3.96.980221212804.22556B-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

All kidding aside Steve,

I like the idea of a QRP RIG and the PC Combo. I have thought of a few possible versions myself. The Internal Version right on the plug in board would be very neat, but the RFI might make it a bit difficult to implement. OTOH, How will we know if no one ever tries it?

Who will be the first to make a TR log/ QRP Contest Xcvr/Modem?

How about a wizard that could provide some software to interface the logging program with an old 1200/2400 baud modem board with something like a SMite/Pixie II in an RS-232 package (Aka, the BAYCOM Modems).

I thought of mounting a Pixie (in an Altoid type Can) right on the modem board. lots of them have plenty of room. A daughter board deal would work.

What I would really like to see would be a version that would just plug into the RS-232 or Printer Port. I have an old Toshiba Model 1000 with a 3 1/2 FD but no HD. That would be a neat little box with the right software and a nice little "RF M0dem" :^)

Actually we can do that pretty easy right now with TR Log and a tranny or two to key the Pixie/Smite. I think I would rather do the copying of the code myself any way. :^) OTOH, having Auto Copy and DSP with PB "Audio Storage" would be very interesting. Those 15 sec or so Digital Recorder Chips could make a great helper in the contest. Kind of like having a "Second Op" copying over your shoulder in case you miss a part of the call.

Some one here on the list recently mentioned using a tape recorder while working the contest/or some Juicy DX. They know they made the QSO, but were not real sure that they copied the Callsign correctly. In the excitement of the moment, that can happen easily. I have often thought how great it would be to have sound clips of some of those better QSOs.

I can think of a few QRPp DX QSO's that I wish now that I had a recording of it for my Book of Memories. Now with all this fancy technology on a chip, it should be a piece of cake to do something like that. I am sitting here thinking that tthere should be a way to modify one of these Digital Telephone Answering Machines to do the job.

Problem is, I can think up the ideas, it's getting them off the ground that is tough. :^)

Maybe this will provide more food for thought and encourage someone to try what I only dream about. :^)

I know it can and will be done, the only question is when and by whom?

There you have my \$ .02 . Keep the good stuff coming.

OBTW I am sending my check for the DVFO Kit next week.

Support your local kit makers !

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

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Date: Sat, 21 Feb 1998 19:56:41 -0700  
From: tom whalen <whalen@swcp.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [4471] DX.....not!  
Message-ID: <34EF93E9.86C@swcp.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello again!!

Thought I had a rare one with the call 7J1AAI, but looked it up in  
QRZ.com and the guy is in CT!!!  
Oh well, still not bad for 4 watts. I was sure excited for a lil bit!!

Forgot I had QRZ.com, and looked up V26B, and it said no such call.

Must be a special event station or something.

Adios, Tom WB5QYT

PS: 20m is still hoppin at 0300 UTC!

-----  
Date: Sat, 21 Feb 1998 22:11:43 -0500  
From: "J. Rains, AA9KM" <rains@nku.edu>  
To: qrp-1@lehigh.edu  
Subject: [4472] Subscribe to digest form?  
Message-ID: <1.5.4.32.19980222031143.006825ac@mail.nku.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi all... Is it possible to subscribe to the list in a digest form?  
That would be much easier for me to handle.

Thanks,  
Justin AA9KM

Justin Rains  
<http://www.nku.edu/~rains/>

If we aren't supposed to eat animals, why are they made of meat?  
Friends help you move. Real friends help you move bodies.

-----  
Date: Sat, 21 Feb 1998 22:27:46 EST  
From: WD6BOR@aol.com  
To: dphilbin@slonet.org, qrp-1@Lehigh.EDU  
Subject: [4473] Re: Elmer 101 - Your favorite DVM??  
Message-ID: <669907df.34ef9b35@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 98-02-21 11:01:27 EST, dphilbin@slonet.org writes:

<< I am looking for a replacement DVM that includes a capacitance function. It would be nice if it included Hfe as well.  
I am not looking for a lab grade instrument but one that will serve me well as I continue homebrewing.  
>>  
D.K.,

I just bought a nice little Wavetek 16XL DMM on sale through Tech America for \$49.95 or thereabouts. It has AC and DC voltage measurement from 100 uV to 600 volts with 10 M ohm input impedance, AC and DC current resolution from 200 uA to 10 amps, resistance ranges from .1 to 20 M ohm, diode test with test voltage of 3.2 volts which allows testing of LEDs, capacitance test ranges from about 5 pF to 20 uF, frequency counter to 15Mhz at 1 VRMS +/- .1 %, transistor beta range from 0 to 1000, logic level test down to 25nS pulse width and a hold reading function. About the only thing it doesn't have that my more expensive meters do is true RMS voltage and current measurement.

This meter was in a sale flyer in January so I don't know if it's still on sale, but it would be worth a call to find out.

Darrel, WD6BOR

-----  
Date: Sat, 21 Feb 1998 22:34:10 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRPDave <QRPDave@ocsnet.net>  
Cc: QRP List <qrp-1@Lehigh.EDU>, Dave Johnson KnightLite QRP Club <klqrp@waterw.com>, "N.J. QRP Club List Server" <njqrp@njqrp.org>, G-QRP Club E-mail Reflector <gqrp-1@blacksheep.org>  
Subject: [4474] Re: Tuna Tin 2 - KIT Building Help  
Message-ID: <Pine.BSI.3.96.980221221145.22556D-100000@u1.abs.net>



MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi QRPDave,

I just read your post on QRP-L about needing someone to build a kit for you. No, I can't do it. Heck, I have six crates of unbuilt kits of my own. :^) (One of my Addictions :^) (I collect Quartz Crystals also :^)

Well, Here is the deal for you. I just received a very timely letter from one of our own here on QRP-L. Don Huffstetler, WA6OUW has just started his own small business. "KIT BUILDERS" !!!

It is real simple, you call/FAX him the info and he gives you a price. You send the kit, he and/or his staff build it and test it and ship it to you insured/registered mail.

The approximate cost is one third of the cost of the kit. Sounds like a real fair price to me. No, I don't have any connection with Don, I just feel like it is an idea whose time has arrived. I just wish that I had the time and skills to do it myself.

OBTW, I seem to recall a few chaps offering to do this for free on a limited basis for those among us who were handicapped and/or could not otherwise afford this service.

SUPPORT YOUR LOCAL QRP KIT VENDORS ! BUY a Kit or two and save it for a rainy day :^)

FYI: Kit Builders, 1630 San Miguel Canyon Road, Watsonville, CA 95076  
E-mail: WA6OUW@aol.com FAX (408)761-9193

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
QRP A.R.C.I. Net Manager and Board of Director Member.  
GINGELL & COMPANY, Ltd. - Business Telephone Systems (301)572-6789  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301)572-6789  
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

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Date: Sat, 21 Feb 1998 20:58:38 -0700  
From: Jess Gypin <jessqrp@concentric.net>  
To: qrp-l@Lehigh.EDU  
Subject: [4475] Don't give up on the higher bands late for DX  
Message-ID: <34EFA26E.D34DA6DC@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

Thouht I would give the contest a listen for a few minutes tonight before retiring for the night and started on 20 meters about 0300. Band was very quiet and tuned up the band and there were JA's for the pickin'. Worked about 6 in a row first call with the Gap and 3 watts from the OHR 400. Moved to 30 meters and not a signal to be heard but rtty stuff. Moved down to 40 meters for about 20 minutes and bagged KP3P, KH7R, XA5T, V26B all in about 15 minutes. Europe sounded like it was just starting to come in. Not bad for just under an hour at the radio. There were lot's others that I called that just could not hear me. Lot's a fun! Don't be intimidated guys, just get in there and slug it out!

--

Jess N0TFI <><  
<http://www.concentric.net/~jessqrp> Personal Home page  
<http://qsl.net/N0TFI> Fox Audio Page

-----  
Date: Sat, 21 Feb 1998 23:20:42 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRP List <qrp-l@lehigh.edu>  
Cc: G-QRP Club E-mail Reflector <gqrp-l@blacksheep.org>, "N.J. QRP Club List Server" <njqrp@njqrp.org>, Dave Johnson KnightLite QRP Club <klqrp@waterw.com>  
Subject: [4476] ELMER101: RF Probes, Diode Detectors and Dummy Loads.  
Message-ID: <Pine.BSI.3.96.980221223530.22556E-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

After the comments and Elmer101 lead off? by Chuck on the RF Probe and related stuff, I went looking for my QRP Quarterly.

There have been several super tips on the subject over the years by many of our QRP Experts here on QRP-L.

QRP Quarterly, July 1991 Idea Exchange had some good tips. I posted most of that last week for those of you who might not have that issue. I am trying to convince the powers that be, to put out a Special Edition of the QRP Quarterly with most of the best Tips from the Idea Exchange. That could happen in 1999. Then I picked up the current issue of the QRP Quarterly. Guess what, It has a whole page by Frank Brumbaugh, W4LJD. It also mentions that it appears in QRPP, Journal of the NorCal QRP Club.

This is more my kind of stuff, real world practical application and how to do it. a few UHF Connectors and Tees and a few 300 Ohm Metal Oxide Resistors and you are in business. FWIW, My version would use BNC Connectors and LAN Terminating Resistors. 1N34 Diodes are available at your local Tandy/Radio Shack store for about a Buck/Pound depending on which side of the pond:^^)

The one point that I would like to make to all, is that you can't have too many reference sources. There are of course some which are better than others. No one book will do it all. No, Not even the ARRL Handbook or The RSGB Handbook. There is one more which should be REQUIRED READING for "ELMERS101" I would suggest "Solid State Design" by W1FMR & W7EL an ARRL Publication. Would you believe that I have three copies and can't locate a single one right now?

I am also looking for my stash of those nice 300 OHM 1 Watt SMD Resistors that I bought from "Blue Rose Electronics" several years ago. Yes, and the Dual Schottky Diodes to go along with them. I so much wanted to make up my SMD version with Spent 38 Special Cartridges and BNC connectors.

Maybe I'll just give my rights to the idea to QRP ARCI for a new kit :^^)

Chuck,

Are there any plans for Test Equipment Kits for ELMER101 LAB?

Might be an idea to go along with the XCVR Kit.

I was thinking that a simple SMD KIT and "PRACTICE BOARD" would be a neat addition to the program. I recall "Blue Rose Electronics" (No longer in business :^( ) including little SMD practice kits with every order. They were a little zip lock baggie with a pre-tinned (solder Paste) and masked SMD PCB with an assortment of SMD components. R's, C's, D's, & Q's all good, but unmarked and/or cosmetically flawed. (Floor sweepings?)

No matter, they served quite nicely for SMD Soldering Practice.

One of the best ideas that I have ever seen. A Recycling Ultimate idea, for sure.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
QRP A.R.C.I. Net Manager and Board of Director Member.  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301)572-6789  
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

-----  
Date: Sun, 22 Feb 1998 00:24:58 -0500 (EST)  
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>  
To: qrp-l <qrp-l@Lehigh.EDU>, eax@w3eax.umd.edu, Laurel ARC <larc-l@webtrek.com>  
Subject: [4477] DX QRP contest with a real antenna :)  
Message-ID: <Pine.LNX.3.95.980222002042.19590B-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's amazing what you can do with 3 watts during a contest. From W3EAX at the U of MD, did about 3 hours of operating from 2-5 p.m. today, sporadically, swapping radios in and out, making cables as necessary, and worked (on 40, 20, 15, and 10) about 50 Qs in roughly 35 countries.

This included a whole bunch of Europeans, including Finland on 15m at 4:30 p.m. (weird, over the pole with warble) as well as LU1ZC in the South Shetlands.

Some of the Qs were made at what I estimate to be about a watt, but when the radio's meter isn't moving, what's the difference between 1 and 3 watts?

Antenna - poorly matched TH6DXX on 50' tower on 60' building.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\* 6m 82 grids on 8w \* DXCC WAS WAC \* QRP-L #147 \* QRP ARCI #9054 \*  
\* <http://w3eax.umd.edu/~ham> \* ARRL Life Member /Laurel ARC/UMARA \*  
\*\*\* 301-549-1022 h 301-982-1015 w \*\*\* 35 wpm HF mobile CW Neon \*\*\*

-----  
Date: Sat, 21 Feb 1998 21:35:52 -0800 (PST)  
From: traylor@ECE.ORST.EDU (Roger Traylor)  
To: qrp-1@Lehigh.EDU  
Subject: [4478] Re: 2N2222 rig: Power amp improvement  
Message-ID: <199802220535.VAA16064@pal.ece.orst.edu>  
Content-Type: text

Guys,

Latest results from the 2n2222 torture chamber. I placed a 1.1 resistor in series with the emitters of each output transistor. The results were amazing. The output power remained nearly the same but the quick drop in output power barely occurred. I then reduced drive slightly using a 22 ohm resistor from the pa bases to ground. This gave me about 1.25W output at 12V on 40 meters with no power dropoff at all after several seconds.

The resistors were made from two, 2.2 ohm, 1/8W metal film units. Leads were kept real short.

The 2n2222s get fairly warm but not real hot. They are heatsinked with simple "inverted top hat" heatsinks. The output circuit other than using two 2n2222's with the series resistors is exactly the same as the one in the article "An Optimized QRP Transceiver" by Roy Lewallen (W7EL) that was in QST for Aug 1980.

The drive from the final did not come from a link off the driver transformer. I used capacitive coupling with the 22 ohm resistor to ground. I did use ferrite bead on base lead of each pa transistor.

This is one of the most fun projects I've done in years. I have the receiver up, transmitter up, and now working on proper shaping for keying, QSK, and blanking of receiver. Just about ready to take it out for a spin.

Has anyone done a tally of how many guys are doing the 2n2222 project?

Have fun and join in,

Roger Traylor  
WB4TPW

-----  
Date: Sun, 22 Feb 1998 01:20:53 -0500  
From: "william j. champion" <jaccham@mindspring.com>  
To: qrp-1@Lehigh.EDU  
Subject: [4479] test  
Message-ID: <1.5.4.32.19691231190000.00672d08@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

this is only a test

-----  
Date: Sun, 22 Feb 1998 01:33:35 -0500  
From: "william j. champion" <jaccham@mindspring.com>  
To: qrp-1@Lehigh.EDU  
Subject: [4480] Vertical wire help  
Message-ID: <1.5.4.32.19691231190000.0067ba74@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I need some help with a vertical wire antenna for 80 meters. It's set up as a flat ground plane, but I cant get the SWR to go below 3:1 with coax feed. The questions I need help with are ;

1. my coax is run away from the feed point on the ground but seems to contribute to detuning the system . Is length a factor ? Would an air wound coax balun help?
2. I have read conflicting info on the radial system concerning the length of radials. All sources say wavelength/3.9 , but several also mention 1/8 and even random lengths. Ground rods also get talked about. How critical is the length of the radials ? When tuning the system for SWR do I trim radials also? Can radial wires be bent or folded to fit property lines without dramatically detuning the system ? How important is the diameter of the radial wires ?
3. What makes a good ground screen material , and how do you figure it into the length of the radials when it is used near the base of the antenna alone?
4. The vertical wire is 1/4 wave for 80 meters. Would 1/2, or 5/8 wave be harder to tune for SWR and how would this change the radial lengths needed ?

Any input would be very appreciated . I have made lots of dipoles and long wire antennas but this is my first try with a home brew vertical. I have come to trust this groups input a lot in the last few months .

Jack N5YUC

-----  
Date: Sun, 22 Feb 1998 01:43:22 -0500 (EST)  
From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [4481] Thanks to Chuck, KnightLites & N4SHE  
Message-ID: <Pine.A32.3.93.980222014154.34450A-100000@weyl.math.Virginia.EDU>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

After seeing Chuck Adams' QRP Quarterly article about Spice, I downloaded it from the Lehigh ftp site and, using the 2n2222 model Chuck gave to the list, I modeled the two stage 2n2222 audio amplifier from p. 81 of UNDERSTANDING AMATEUR RADIO (Rusgrove and DeMaw). I'm using that amp in the DC receiver portion of my 1 watt 2n2222 double sideband transceiver, and I wondered what would happen if I just tacked on another stage -- and also what would happen if I followed the advice of Rusgrove and DeMaw and added some capacitors from collector to ground to suppress high frequency audio. Spice let me play with capacitor values, and view nice graphs of gain v.s. frequency. I added the extra stage, together with .047 caps from each collector to ground, and the improvement was tremendous. Thanks, Chuck, for introducing me to this great tool!

To test it out, I dropped by the 7240 Club last Friday morning, about 11:00 a.m. I had checked in the two weeks prior when I heard Dortha, N4SHE, acting as net control. I had read about her in QST, and couldn't resist. With her many years of experience handling traffic and running nets, she fished my 1 watt of double sideband out of the QRM effortlessly, responded to each of my comments, and welcomed me to the net. Now, two weeks after that very brief initial exchange, she immediately recognized my call, greeted me by name, and asked if I was running QRP. What a great lady!

When the mail came, SMite # 147 had arrived. Between teaching duties, scouts and basketball games, I had my first encounter with surface mount. What a blast! Congratulations to Bob Kellog and the KnightLites for an excellent design, splendid documentation, and a genuine learning experience -- all for only ten bucks!

Powering the SMite with a 9V battery, at an output (measured on a WM-2) of 100 mw, I tailended a QSO between a W1 and a VE1. I couldn't raise them. After a brief interlude of crackling static, I heard my call being sent by N4SHE! Now operating on 80 m CW, Dortha gave SMite # 147 its first QSO. I've since added another 1.5 V battery and pumped up my output to almost

200 mw, but thanks to Dortha, I know that this extravagantly high power level is not really required for Charlottesville to Winston-Salem cw communications.

72, Ralph N7RI  
Charlottesville VA

-----  
Date: Sat, 21 Feb 1998 22:53:50 -0800  
From: "W.G. Sallee" <k6two@pacbell.net>  
To: qrp-l@Lehigh.EDU  
Subject: [4482] For Sale  
Message-ID: <34EFCB7E.4536@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ten Tec Argo with NB, Mic, 80, 40, 30, and 20 meter plugins: Excellent shape, works great, and hears great. Power adjustable from .1 watt to 10 watts. \$450 plus shipping.. I also have a 120 watt outboard mobile solid state amp for mobile with rf sensing relay. I used it for ssb mobile with the Argo. 5 watts in 120 out and IT WILL HANDLE # to 1 SWR!! all day. Respond via E-mail to k6two@pacbell.net  
Bill Ch OP

-----  
Date: Sat, 21 Feb 1998 23:05:14 -0800  
From: Conrad <radman@best.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [4483] RE: Elmer 101 - Your favorite DVM??  
Message-ID: <01BD3F1D.2B9C31A0@radman.vip.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

I believe that's a \_brilliant\_ opinion, Erv!=20

And, may I add my opinion to yours? If the gentleman's maximum budget is = \$100... he could buy \*\*two\*\* of the RS DMMs at the devalued price; add a = couple of sets of "hook probes" or "pin grabbers" to simultaneously = measure current and voltage. I routinely use two or three DMMs in design = projects or for trouble-shooting. Makes diagnostics much easier !=20



So... two DMMS, accessory test leads, sales tax and there's still enough =  
change for lunch at McDonalds! :) Great Group!

72 -- Conrad -- nn6cw.

\*\*\*\*\* =20  
From: Erv [SMTP:kb8tnq@voyager.net]  
Sent: Saturday, February 21, 1998 5:39 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Elmer 101 - Your favorite DVM??

If I may offer an opinion.....I recently purchased (from Radio Shack) =  
the True  
RMS Digital Multimeter, Cat. # 22-181B. It does it all and the best =  
part is the  
price, only \$39.95 on clearance. You may want to hurry, as I got mine a =  
week or  
two ago and they were running low on stock at that time. Once they are =  
gone,  
they are gone for good.

7-3 and Good Luck,  
Erv KB8TNQ

Ryan wrote:

> If you are looking for a good inexpensive meter, check out  
> <http://www.mmainteractive.com/electronics/forsale/> . Some  
> have capacitance functions, frequency counters, etc for  
> much less than \$100.  
>  
> Ryan  
> KB0TKZ  
>  
> >The time has come to retire my old Radio Shack Micronta pocket DVM.  
> >  
> >I am looking for a replacement DVM that includes a capacitance =  
function. It  
> >would be nice if it included Hfe as well.  
> >I am not looking for a lab grade instrument but one that will serve =  
me well  
> >as I continue homebrewing.

--  
Please visit our Web Site at:  
<http://www.qsl.net/kb8tnq>

-----  
"Dare to Dream, It Sets Your  
Spirit Free!"  
-----

-----  
Date: Sun, 22 Feb 1998 02:34:19 EST  
From: wa8rxi@juno.com (Rick Arzadon)  
To: whalen@swcp.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [4484] Re: Correction  
Message-ID: <19980222.073941.4775.1.WA8RXI@juno.com>

Tom,  
V2 used to be VP2A prior to 1982, which is Antigua & Barbuda.  
And, its not so much the voltage, as the current that will cause the  
final  
transistor to go. In which case you have to purchase the "smoke out"  
option.

72, Rick Arzadon - WA8RXI Taylor, MI.  
[QRP-L #1368][ARCI #9050][MI-QRP #587][G-QRP #9125][HI-QRP #32]

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 22 Feb 1998 02:41:52 -0500  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: mgemm@mtechnologies.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [4485] Re: Interest in single lever paddle?  
Message-ID: <34EFD6C0.30A0@quartz.gly.fsu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Check out the link.

Their BK-100 bug looks an awful lot like a model Lafayette Radio was selling for 11.95 in the 60's.

Henry

-----  
Date: Sun, 22 Feb 1998 08:52:06 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: radman@best.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [4486] Re: Elmer 101 - Your favorite DVM??  
Message-ID: <34F057B6.F3F01C39@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Conrad wrote:

> I believe that's a brilliant opinion, Erv!  
>  
> And, may I add my opinion to yours? If the gentleman's maximum budget is \$100...  
he could buy **two** of the RS DMMS at the devalued price; add a couple of sets of  
"hook probes" or "pin grabbers" to simultaneously measure current and voltage. I  
routinely use two or three DMMS in design projects or for trouble-shooting. Makes  
diagnostics much easier !  
>  
> So... two DMMS, accessory test leads, sales tax and there's still enough change  
for lunch at McDonalds! :) Great Group!  
>  
> 72 -- Conrad -- nn6cw.

My \$.02: The two meters idea is a VERY good one! But I would add  
that one of the meters -- and the leads for it -- should be marked in some  
brilliant color and that meter should always be the one which is used for  
current measurement! It will save a lot of tracing leads back and forth and  
will probably keep from burning out a meter. I'm speaking from  
experience -- meters set up for measuring current do NOT like to be  
hooked up across a battery by accident!

Lyn, W4WDN

-----  
Date: Sun, 22 Feb 1998 16:25:04 +0200  
From: Arjen Raateland <Arjen.Raateland@vyh.fi>  
To: QRP-L <QRP-L@Lehigh.EDU>  
Subject: [4487] Dan's not to accept orders from outside USA  
Message-ID: <34F03540.3D68@vyh.fi>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Folks,

I just read this on the WWW and I really hope it isn't a trend:

Dan's ~ Small Parts and Kits

....

ORDERS NO LONGER ACCEPTED FROM CANADA AND OUTSIDE OF THE UNITED STATES.

I wonder WHY?

73, oh2zaz

--

Arjen Raateland  
Finnish Environment Institute  
SAS Support  
phone +358 9 4030 0457

-----  
Date: Sun, 22 Feb 1998 10:30:48 -0500 (EST)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [4488] N/T+ pelt found on the road...  
Message-ID: <Pine.LNX.3.93.980222092430.504A-100000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I had a very good "ham" day, and only a part of it was while I was playing with a radio. On my way up to PA (2 hr drive) for my youngest son's Cub Scout banquet, I decided to take a twirl around the novice band. I do this a lot on trips, since I have that "first QSO" debt to repay, and it's much easier for me to work <15wpm, QRO folks while I'm mobile.

Anyway, as I dial back and forth between 7.100-.150, I hear a few weak ones. Then a weak CQ (I'm off by about 1Khz) and ..OX DE... listen a little more... Hey! He called CQ FOX! But it's saturday? Ok, who heard

about a foxhunt, and just couldn't resist calling CQ FOX? Did they think they were missing something? It \*MUST\* be a counterfeit? Right? A little more tuning... CQ FOX DE W2MBY. He's for real! Drop in my call, exchange info, THANK YOU John! Sometimes you just never know what you'll find on the road :)

And the day continued to improve. We got to the dinner early and found our places. A 60-ish grand mother sat down across from me and we exchanged hello's and went on about our dinner. She talked to her son (another Cub father) and I thought I heard her mention "hamfest". Nah, couldn't be, could it? At some point I had to pick up my hat (with my call on it) and she asked, "Are you a ham?". And after a positive response, "Hi, I'm N3VPJ".

As it turns out she's a T+, with her general written passed, and working on her 13 wpm. Seems her husband has MS and friends of his talked him into trying ham radio for when he was home alone. Being supportive, the woman across from me started the classes too. As you may have guessed, he backed out and she didn't! Turns out she wanted to be a ham since High School, but "back then", girls didn't do that sort of thing. I went into my QRP pitch, and it turns out she has a QRP kit and is learning to solder for the first time. She heard "A big blob means a good job", so I had to do a bit of explaining (elmering?) on the fly. She came out to look at the mobile setup in the Suburban, and had lots of questions about the antenna farm on the roof.

So after two hours of talking about radio, CW, getting over the 10wpm "hump", the banquet was over and we got up to leave. It was at this point that I realized neither of us knew the name of the other. Over two hours of more than pleasant conversation and we had no idea who the other one was. All thanks to ham radio, while running on the 3 KHz band :)

Guess I'll look her up in the book and QSL... 72

```
-- Chris Cartwright,   Technical Engineer   |   ccart@vidtel.com   --
-- N3XRV      ARRL-VE   QRP WAS 28/13(w/c)   | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --
```

-----

Date: Sun, 22 Feb 1998 07:40:53 -0700  
From: wa5whn@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [4489] High in the Rocky Mtns {New Mexico}  
Message-ID: <19980222.074055.2662.0.wa5whn@juno.com>

WOW !! The email response. There are some Astronomy/QRP/Wilderness People on this list. I am impressed.

WB5LYJ & I like to stay at the Star Hill Inn, in Sapello, NM, since we usually pack an 8" SCT telescope, and the skies in NM are very dark {both winter & summer}. Note the one photo taken at the following URL, where we were viewing the "Northern Lights", {summer '91} from Northern NM;

<http://www.starhillinn.com/photos.html>

I have no financial interest in the Star Hill Inn.

Occasionally, I will bring a 2.4 GHz transverter and dish and listen to the sun/sky noise, from up there. I usually carry a VLF receiver with me too. {Note: If You stay at the Star Hill Inn, ask Blair to turn the fence charger off, so that You can listen to the VLF portion of the band.} Lots of tall pine trees to toss antennas into from the cabins.

This summer, after the NorCal QRPTTF '98 & 2 SES's & ARRL Field Day, WB5LYJ & I will be hiking back up to Wheeler Peak @ 13,161 feet asl {Wheeler Peak Wilderness} in the Sangre de Cristo {Blood of Christ} Mountains. From the top of Wheeler Peak, You are line of sight up to Pike's Peak {Colorado Springs} and as far south as Socorro, NM, with a 1 watt VHF HT.

We will be camping in the Wheeler Peak Wilderness. WB5LYJ & I have hiked in the Rocky Mountains, from Canada to El Paseo del Norte, Tejas {Franklin Mtns -El Paso, Texas}. Wheeler Peak is one of our favorite areas to camp, play with the small radios & watch what nature has planned for us during that time period. Warning: I have been on Wheeler Peak, when the electrical storms appear. These are very intense storms & it is wise to avoid them. Take a look at the following URL {Wheeler Peak Wilderness};

<http://www.inch.com/~dipper/nm.html>

Yeah, it's not the Colorado Rocky Mountains, & it is not Montana or Alaska either, but it's in my back yard, and when You hear WA5WHN or WB5LYJ this summer, on HF/VHF/UHF, You know where we will be hiding. Hmmm, QRP SSTV, are You ready to copy ? ;- ) Where else can You play with itty-bitty radios, telescopes & just enjoy the view ?

NA5N can tell You about the Star Parties, on the Pound Ranch, near Socorro, NM.

72,

...Jay, WA5WHN DM65qd Albuquerque, NM USA

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 22 Feb 1998 07:43:41 -0700  
From: Jess Gypin <jessqrp@concentric.net>  
To: qrp-1@Lehigh.EDU  
Subject: [4490] DX is still warm on the bands!  
Message-ID: <34F0399D.B47DE201@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Good morning all,

I had such good luck last night that I thought that I would give it another shot this morning. Listened to 40 meters around 13:00 Z and JA's were very loud. JA is almost always good from on the morning path on 40 meters. I called about 8 JA's first or second call at 5 watts OHR 400 Gap Titan. Figured I would level the field ( yeah right!) and cut the power to 1 watt. Called 3 JA's and worked 2. Moved up to 7044 and found KH7R calling Cq with no takers and got him first call at 1 watt. It appears that like Monty said and you wait until these guys are desperate that they will call back even on a whisper of a signal! I moved up to 20 meters and heard lot's of W3 and W4 but a few DX stations. Finally found G0IVZ calling CQ over and over. After a couple of N0TF?? I got him in the log too. Britain has always been tough from here and it is really nice to have that one in the log at QRP levels. On 20 meters, the OHR 400 is good for about 3.5 watts, so that was not bad. Still having fun! Best thing I found was to wait until you hear a nice loud CQ test that goes unanswered once or twice and then give them a call. I have had some luck in the piles but almost always a one caller on the loud and lonely.

Too bad there is not a DX contest every other week huh?

--  
Jess N0TFI <><  
<http://www.concentric.net/~jessqrp> Personal Home page  
<http://qsl.net/N0TFI> Fox Audio Page

-----  
Date: Sun, 22 Feb 1998 08:01:35 -0700  
From: "Ron Smith" <resmith@primenet.com>  
To: <henryf@quartz.gly.fsu.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [4491] Re: Interest in single lever paddle?  
Message-ID: <01c301bd3fa3\$39bdc880\$1022a5ce@primenet.com.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>Check out the link.

Ok, I'll bite... What link? So far I've seen two message on the topic but no link.

Thanks es 72

Ron Smith

-----  
Amateur Radio Callsign: KD7VD  
Boise, Idaho  
E-mail: resmith@primenet.com  
QRP-L #1291...ARCI #9580...NorCal #????  
AK/QRP #352  
-----

-----  
Date: Sun, 22 Feb 1998 09:16:52 -0600  
From: "Claton Cadmus" <aplitech@spacestar.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [4492] Re: Elmer 101 - Your favorite DVM??  
Message-ID: <002a01bd3fa8\$78ae8200\$b7cebfce@groucho>

Lyn, W4WDN wrote:

>I'm speaking from  
>experience -- meters set up for measuring current do NOT like to be  
>hooked up across a battery by accident!



Just wanted to mention that many meters have MOV's across the test leads and/or internal fuses, sometimes the fuse is a circuit board trace. I had a DVM go "bad" (OOPS! !#&%, wrong setting!) on a service call. I went straight to Radio Shack and got a new one so I could finish the job. A couple months later I decided to find out the damage I had done. What I found was a shorted MOV, the rest of the circuitry was untouched by my stupidity. Replaced it and the meter still works fine, years later.

So look in those junk boxes at the Hamfest, you might find a gem in the junk!

73 de Cla KA0GKC

-----  
Date: Sun, 22 Feb 1998 11:17:16 -0500  
From: Zack Lau <zlau@arrl.org>  
To: qrp-1@Lehigh.EDU  
Subject: [4493] Re: Key Clicks  
Message-ID: <34F04F8C.7C4@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The weak spot with most rigs is relying on the operator to determine the frequency offset--how many people know 500 Hz from 550 Hz? One solution may be to go to DDS--digitally generate the transmit frequency, the receive frequency, and the sidetone frequency, all using the same reference crystal so they track each other at all times. They do have spurs, but one solution may be to use narrowband RF filters--with a bit of work I can probably build 25 kHz wide 7 MHz bandpass filters. With enough filtering, there degradation cause by cleverly moved spurs can be minimized--Zack W1VT

-----  
Date: Sun, 22 Feb 1998 09:19:41 -0700  
From: Phil <k6ls@prolynx.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [4494] Re: Elmer 101 - Your favorite DVM??  
Message-ID: <34F0501D.BED0D9E7@prolynx.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'll cast a vote for my Fluke 8000A (opt -05 (10 amp))

sure it is only a bench top, lacking the bells and whistles  
of the newer units, but for basic measurements, It works Great.  
I've had mine for over 14 years now with out any problems.

The price sure has dropped since new, but you can get them  
pretty cheap at the swaps.

I also have a 77 that works fine, and at work I have an 87 available,  
but use my 11 more often (more compact/portable).

--

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org  
http://www.qsl.net/k6ls  
http://www.prolynx.com/k6ls  
DM79oq, Arapahoe County, Colorado  
ITU zone 7, CQ zone 4  
QRP-L #612 NorCal #824  
CQC #471 ARCI #8866

-----  
Date: Sun, 22 Feb 1998 10:26:32 -0600  
From: "Roger Whitaker [K9LJB]" <k9lj@iname.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [4495] Re: Interest in single lever paddle?  
Message-ID: <34F051B7.B7C976D8@iname.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The URL in question is the one that Marshall Emm gave in the first  
posting of this thread. It is <http://www.mtechnologies.com/hk.htm> Yes,  
Henry, the BK-100 does look like the Lafayette bug and I think is the  
same manufacturer. Actually \$11.95 in 1960 with 37 years of  
inflation plus the fact that Marshall is a bit smaller company than  
Lafayette was, hmmm seems about right :- ) I can't speak for the bug from  
Hi-Mound, but I have had the HK-708 for a while now and sure do like it.

Usual disclaimers - no financial interest, just a satisfied customer.

72

--

Roger B. Whitaker K9LJB QRP-1 #1403

The early bird may get the worm,  
but the second mouse gets the cheese

Home page: <http://www.cityscape.net/~whitaker/>

-----  
Date: Sun, 22 Feb 1998 10:13:30 -0500  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: "qrpforum" <qrp-1@Lehigh.EDU>  
Subject: [4496] Pixie, KnightSMiTe SWBC Trap  
Message-ID: <199802221627.LAA28913@mailhost.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Gang,

Many who build a Pixie, KnightSMiTe or DC receiver on 80 Meters have BCI problems in the evenings from a Nashville religious station. John, KU4AF, sent us a fix for this problem.

His method of trapping the offending signal will work on other bands to eliminate individual offending signals. Just recalculate the series resonant circuit to trap the unwanted signal.

John's message follows. It will also be added to the KnightSMiTe web page.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not nececelery. -- Benny Hill  
-----

> Bob and Gary,  
>  
> Here's the promised info on trapping the 3220 KHz (or so) broadcast  
> station. For Gary, please consider this an update - I managed to get the  
> inductor turns wrong when I sent you this before.  
>  
> The trap schematic looks like this:  
>  
> ANT -----SMiTe

```

>
>      |      |
>      |      L 46t T50-2  11.14 uH
> 680pF C1      |
>      |      C2  220pF
>      |      |
> GND-----GND
>

```

> L and C2 are series resonant at 3220 KHz, providing a very low impedance path to ground for the interfering signal. At 3686 KHz the L-C2 trap looks like about 61 ohms of inductive reactance. C1 parallel resonates with this (almost) so that the SMiTe sees 50 ohms or whatever the antenna impedance is. Theoretically C1 should be about 709 pF, but its tuning is MUCH less critical than the series L-C2.

> Using a 50 ohm source and termination I measured 26dB rejection at 3220 KHz and less than 0.1dB loss from 3600 to 3800 KHz with SWR less than 1.2 to 1.

> Component tolerances make this circuit a little tricky. The rejection notch is pretty sharp, and it doesn't do any good to have it in the wrong place.

> Tuning is done by squeezing/spreading turns on the toroid, and doing so moves both the sharp-tuning notch and the broad-tuning peak. It would be easier with two adjustable parts, but variable caps in these values are either big or expensive!

> If the SMiTe was to be used with its own dedicated antenna tuner, you could forget C1 and build L and C2 into the rig side of the tuner. The tuner could then be adjusted to compensate for the trap at the tx frequency.

> Gotchas:

> 1. This trap only rejects one narrow band of frequencies. If another strong signal shows up at 3170 or 3270, we have to start over! It also doesn't help a bit with signals down in the AM broadcast band.

> 2. The inductor is big and clunky compared to other SMiTe parts. It needs to have a high Q, though, or it will have less rejection and higher insertion loss. I haven't investigated this, but I suspect this would be hard to do with SMT parts.

> Best of luck with this,

>  
> John, KU4AF  
>  
>  
>

-----  
Date: Sun, 22 Feb 1998 10:34:21 -0600  
From: "Kelly Ellison" <kelman@dialnet.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [4497] WTB Ten Tec Scout  
Message-ID: <199802221632.KAA16649@shell.dialnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello All,

Decided that I would like to try a Scout for my QRP activities. If you have one, let me know. I can purchase outright or have some nice QRP rigs to trade up. Please contact me direct at kelman@dialnet.net

Still have the S&S Engineering TAC-1 80 meter digital rig and ARK20 20 meter rig.

Thank you,

Kelly Ellison  
QRP-1 #702  
Aurora, Missouri

-----  
Date: Sun, 22 Feb 1998 10:47:23 -0600  
From: "Roger Whitaker [K9LJB]" <k9ljb@iname.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [4498] Re: Elmer 101 - Your favorite DVM??  
Message-ID: <34F0569A.D8369C04@iname.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

OK, I guess, since everybody else on the list has commented on this one, it's my turn. Like Phil I have an old faithful Fluke 8000A that

permanently resides on my bench. I have had it for about 16 years and swear by it. I, too have a Fluke 87 that usually resides in the trunk of the company car. The 87 is loaded with features and is priced accordingly. I also have the venerable HP 410B VTVM with the 1200 MHz RF probe that I bought used in 1967. Check out the flea markets, guys. I am sure there a a lot of older professional grade instruments out there. It pays to get something rugged, IMHO.

My \$.02

72

--

Roger B. Whitaker K9LJB QRP-1 #1403

The early bird may get the worm,  
but the second mouse gets the cheese

Home page: <http://www.cityscape.net/~whitaker/>

-----

Date: Sun, 22 Feb 1998 10:50:06 -0600  
From: "Roger Whitaker [K9LJB]" <k9ljb@iname.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [4499] K9LJB Web site update.  
Message-ID: <34F0573D.5D17AD94@iname.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

While I am in a posttiing mood, .... I have added some pictures to my web site including my QRP mobile setup and some historical pix from my maritime mobile adventures in 1969/70. I intend adding some more historical stuff as time goes by and I get some of the old pictures scanned.

72

--

Roger B. Whitaker K9LJB QRP-1 #1403

The early bird may get the worm,  
but the second mouse gets the cheese

Home page: <http://www.cityscape.net/~whitaker/>

-----  
Date: Sun, 22 Feb 1998 12:51:39 -0000  
From: "Bob Duckworth" <wb4mnf@atl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [4500] Re: Elmer 101 - Your favorite DVM??  
Message-ID: <199802221639.LAA01914@atl.org>

My favorite DMM is the Beckman Circuitmate DM10.  
It's inexpensive (less than \$30 when I bought this one)  
Has a fuse.  
Battery lasts a long time.  
Does the job.  
Is small but still easy to read.  
Same quality as big expensive Fluke and Beckmans.

Throw away the probes that come with it or use them  
with a \$2 hamfest special. Buy a good set of probes,  
soft rubber, flexible leads, nice sharp tips, about \$20 to \$30.

This inexpensive meter is appropriate for 95% of what I use  
a meter for (troubleshooting and general metering around  
homebrew debris) My VTVM takes care of things where high  
impedence is needed (mainly tube gear).

3.5 digit display with nice big numbers.  
DCV, 5 ranges. 200mv to 1000V  
ACV, 200V and 500V  
DCA, 4 ranges 200u to 200m  
resistance, 5 ranges 2000hm to 2meg Ohm  
diode test

only thing I would like extra is a continuity tone for  
tracing out connectors but hey, if I run over it with  
the car, I won't be crying.

It's a good DMM if you have never had one and are  
just getting started messing around with radio stuff.  
Not overly complicated or expensive but good  
quality and accuracy suitable for kits and general 'stuff'

Buy one of these (and a good probe set) and spend the  
\$ you save on a kit or two!

-bob  
wb4mnf

-----  
Date: Sun, 22 Feb 1998 12:01:24 -0500  
From: "john paul keon" <jpkeon@bellsouth.net>  
To: <qrp-1@Lehigh.EDU>  
Cc: "klqrp" <klqrp@waterw.com>  
Subject: [4501] SMiTe Kit  
Message-ID: <01bd3fb3\$8201e4e0\$1f0935cf@jpkeonbellsouth.net.bellsouth>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Got my kit (SMiTe) built yesterday afternoon and before I mounted it in a can I found that it has motorboating. So I contacted Gary (N3G0) and he advised me to check C6 and the Output of the antenna for voltage, and sure enough it was there. So if you find that on your's when it is finished look for a solder bridge across that spot, and hopefully that will cure your problem. I am still waiting to get mine on the air.

Hopefully for the net tonite on 3686.4 at 9:30PM local eastern (right coast for you guys on the left coast) and hopefully hear an Alaska (KL7 or so in there for a check in), hi hi.....

Guys, take advantage of the contest, I got 4 new european countries and two in SA last night on 80meters with QRP. It took several hours but I did get some new ones.

72 de JP/AB4PP

\*\*\*\*\*

AB4PP, ARRL, SOWP 4759-M, YLISSB 8308, Klite (yet unknighthed), QRP-L 1417, ARCI 8566, AR QRP 209, NJQRP 120, LIQRP (no Number)  
jpkeon@bellsouth.net  
Raleigh.NC

\*\*\*\*\*

-----  
Date: Sun, 22 Feb 1998 11:08:29 -0600  
From: Dave Sjolin <sjolin@swbell.net>  
To: k9ljb@iname.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [4502] Re: K9LJB Web site update.  
Message-ID: <34F05B8D.5560@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit



Roger Whitaker [K9LJB] wrote:

>  
> While I am in a postiing mood, .... I have added some pictures to my  
> web site including my QRP mobile setup and some historical pix from my  
> maritime mobile adventures in 1969/70. I intend adding some more  
> historical stuff as time goes by and I get some of the old pictures  
> scanned.

Roger, how about a close up of that beautiful 75A4?

73 de Dave, N0IT

-----  
Date: Sun, 22 Feb 1998 10:12:52 -0700  
From: "Ron Smith" <resmith@primenet.com>  
To: <k9ljib@iname.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [4503] Re: Interest in single lever paddle?  
Message-ID: <007101bd3fb5\$40b55ce0\$3c22a5ce@primenet.com.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks Roger, but the URL I was looking to get was in reference to the first  
line of the message:

"I've got a sample of the MK-702 SINGLE lever paddle from Hi-Mound..."

I haven't so far found a Web site for them.

Thanks es 72

Ron Smith

-----  
Amateur Radio Callsign: KD7VD  
Boise, Idaho  
E-mail: resmith@primenet.com  
QRP-L #1291...ARCI #9580...NorCal #????  
AK/QRP #352  
-----  
  
-----

Date: Sun, 22 Feb 1998 12:16:22 -0500  
From: Joseph Everhart <n2cx@voicenet.com>  
To: ae4ic@nr.infi.net  
Cc: qrp-1@Lehigh.EDU, klqrp@waterw.com, njqrp@njqrp.org  
Subject: [4504] Re: Pixie, KnightSMiTe SWBC Trap  
Message-ID: <199802221716.MAA58986@nss4.cc.Lehigh.EDU>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Please forgive me for repeating the whole message below, but it is relevant.

Using a tuned circuit to remove off-frequency interference is a good idea. In keeping with the Pixie/SMiTe theme it is very simple and can be effective. A couple of notes, however about the referenced cure. And Please take these comments as clarification, not criticism. :-)

The circuit described is a parallel tuned circuit across the antenna terminals to ground. As such it will only remove offending signals if its impedance to ground is low at the offending frequency. A parallel tuend circuit has a high impedance only at its resonant frequency, so when parallellled, it should be resonant the frequency you \*don't\* want to eliminate. So... it really wants to be tuned to 3686.4 (or whatever your desired freq is) so that it \*won't\* shunt this to ground. Then \*any\* off-frequency signals will be shunted to ground, and the desired stuff not affected. Just remember this when you check the tuned circuits resonance.

If you want to trap a specific frequency out, you must use the parallel tuned circuit in series between the SMiTe output and the antenna (tuned to the offending frequency it will block it) or a series resonant circuit in shunt across the SMiTe output. Again tuned to the "reject" frequency, this time the trap shunts it to ground.

Actually the circuit you included is probaly the easiest method and does offer rejection of "all" off-frequency itnerference. It's total rejection is less than other methods, but that's another story altogether.

Hope this helps!

At 10:13 AM 2/22/98 -0500, you wrote:

>Gang,

>

>Many who build a Pixie, KnightSMiTe or DC receiver on 80 Meters have BCI  
>problems in

>the evenings from a Nashville religious station. John, KU4AF, sent us a  
>fix for this problem.

>  
>His method of trapping the offending signal will work on other bands to  
>eliminate individual offending signals. Just recalculate the series  
>resonant circuit to trap the unwanted signal.  
>  
>John's message follows. It will also be added to the KnightSMiTe web page.  
>  
>CUL,  
>Bob Kellogg, AE4IC, Greensboro, NC  
>Prolably, but not nececelery. -- Benny Hill  
>-----  
>> Bob and Gary,  
>>  
>> Here's the promised info on trapping the 3220 KHz (or so) broadcast  
>> station. For Gary, please consider this an update - I managed to get the  
>> inductor turns wrong when I sent you this before.  
>>  
>> The trap schematic looks like this:  
>>  
>>     ANT -----SMiTe  
>>         |           |  
>>         |           L 46t T50-2 11.14 uH  
>>     680pF C1         |  
>>         |           C2 220pF  
>>         |           |  
>>     GND-----GND  
>>  
>> L and C2 are series resonant at 3220 KHz, providing a very low impedance  
>> path to ground for the interfering signal. At 3686 KHz the L-C2 trap  
>looks  
>> like about 61 ohms of inductive reactance. C1 parallel resonates with  
>this  
>> (almost) so that the SMiTe sees 50 ohms or whatever the antenna impedance  
>> is. Theoretically C1 should be about 709 pF, but its tuning is MUCH less  
>> critical than the series L-C2.  
>>  
>> Using a 50 ohm source and termination I measured 26dB rejection at 3220  
>KHz  
>> and less than 0.1dB loss from 3600 to 3800 KHz with SWR less than 1.2 to  
>1.  
>>  
>> Component tolerances make this circuit a little tricky. The rejection  
>notch  
>> is pretty sharp, and it doesn't do any good to have it in the wrong  
>place.  
>> Tuning is done by squeezing/spreading turns on the toroid, and doing so  
>> moves both the sharp-tuning notch and the broad-tuning peak. It would be  
>> easier with two adjustable parts, but variable caps in these values are

>> either big or expensive!  
>>  
>> If the SMiTe was to be used with its own dedicated antenna tuner, you  
>could  
>> forget C1 and build L and C2 into the rig side of the tuner. The tuner  
>> could then be adjusted to compensate for the trap at the tx frequency.  
>>  
>> Gotchas:  
>>  
>> 1. This trap only rejects one narrow band of frequencies. If another  
>strong  
>> signal shows up at 3170 or 3270, we have to start over! It also doesn't  
>> help a bit with signals down in the AM broadcast band.  
>>  
>> 2. The inductor is big and clunky compared to other SMiTe parts. It needs  
>> to have a high Q, though, or it will have less rejection and higher  
>> insertion loss. I haven't investigated this, but I suspect this would be  
>> hard to do with SMT parts.  
>>  
>> Best of luck with this,  
>>  
>> John, KU4AF  
>>  
>>  
>>  
>  
>  
>  
72/73,

Joe E., N2CX

>From South Jersey, y'all!

home: n2cx@voicenet.com  
work: jeverhar@camden.lmco.com

-----  
Date: Sun, 22 Feb 1998 17:18:07 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: designserv@ipass.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [4505] Re: Elmer 101 - Your favorite DVM??  
Message-ID: <199802221718.RAA17414@chuck.dallas.sgi.com>

Lyn et.al.,

Good point about the current measurements. Especially if you are using the same brand and model of multiple meters at the same time for different measurements in an experiment or test.

I just measured some current/voltage data points for some curves I'm putting on the web page tomorrow for the 1N270 Ge diode and 1N4148 Si diode. In order to do this I used two different DVMs, one for voltage and one for current. I checked the calibration on both to insure that they were tracking the same.

Most meters have a 0.500A fuse in the current line to protect the meter. This I found out when I was getting zero current when I started out on the experiment and when I checked the fuse and the spare fuse I found they were both open. Must have done something last year to do that and I should have immediately gone to R/S and gotten some spare fuses but must have been in the twilight zone and forgot about it. :-)

Fortunately the Protek that I wound up using was a new meter and hadn't been subjected to any voltage across the current measuring branch. These accidents do happen so be prepared over the long run.

As with any precision instrument you should take all precautions to not subject them to harse treatment. A used instrument bought at a swapmeet should be checked out extensively before any value is placed on meaurements made with it. I am still in awe of how mistreated equipment can be in the hands of some individuals. I would place this up high on my chart of 'why do they do that?' questions. :-)

I cry and hurt inside when I see a any piece of equipment or tool that looks like it was left out in the rain or treated in an unkind manner. SPCE - Society for the Prevention of Cruelty to Equipment is now in session.

Here is a brief and short list of things I try to remember and do:  
(Replace DVM here with the name of any item in the shack)

1. Don't put DVM where it can get damaged by heavy objects.
2. Don't put DVM where it can get damaged by light objects.
3. Meter in current measuring mode has almost 0 ohms resistance across the leads. (This is very important.)
4. Replace batteries regularly to get accuracte and precise measurements and prevent damage from leaking cells and internal corrosion.
5. Turn meter off after measurement session even if it has auto-off feature.
6. Take extreme care of leads and probes. A broken lead is useless. And if broken you won't have a spare or a substitute when you need one.

7. A probe/lead is a short looking for a place to land. Remember that the probe can short a high voltage to ground or a high voltage to a part that just isn't ready for that kind of voltage application. Murphy's Law says the one time you do this you will destroy the most expensive part in the equipment you are probing and the one that you don't have a spare for and the one that will take weeks to replace. :-)
8. Have spare fuses of the correct size and value with the meter. You will need them.

"Melt Solder" Steve posted the other day the idea of using brass tubing (found at hardware and hobby shops) as a casing for an RF probe. The first thing that came to my mind on reading the post was to make sure that I covered the finished tube with one layer of electrical tape to insure that when probing a circuit that I did not short out things and let out the smoke monster residing in every good electronic device known to mankind. Remember Ohm's Law is always in force at all times and rarely do you get lucky when you make a mistake. ;-)

But everyone in the group knows all this stuff. I just may be preaching to the choir but if this information helps just one person starting out building and experimenting then it's worth the bandwidth.

FYI

Chuck Adams K5FO Dallas, TX CP-60  
<http://reality.sgi.com/adams> [adams@sgi.com](mailto:adams@sgi.com)

-----  
Date: Sun, 22 Feb 1998 11:33:27 -0600  
From: "Roger Whitaker [K9LJB]" <k9ljb@iname.com>  
To: qrp-l@Lehigh.EDU  
Subject: [4506] Re: K9LJB Web site update.  
Message-ID: <34F06165.66D6971A@iname.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, Dave. I will get a better picture of it and post it, but it is a 75A-2. It still works great. I bought that one in about 1964 for \$80, non-operating at a hamfest and had it going within an hour after I got it home. I should see that the PTO had been monkeyed with, but I just happened to have a spare at home!! I subsequently added a product detector and replaced the Xtal filter with some Collins mechanical filters for 3.1, 2.1 & 1.2 KHz. Oh, yes, I also added a selectable AGC time constant for SSB/CW. I know that Collins afficianado's out there

are puking now, but remember it was 1964 and I was still in High School and didn't know about saving the authenticity of it :-) I will also post a picture of the reciever I was using before I got the A-2. It was all home brew with 23 tubes and looked like a Collins Rcvr. I used to make trips to the Collins surplus store (Heaven) in Cedar Rapids a couple of times a year.

Thanks for looking.

72

--

Roger B. Whitaker K9LJB QRP-1 #1403

The early bird may get the worm,  
but the second mouse gets the cheese

Home page: <http://www.cityscape.net/~whitaker/>

-----  
Date: Sun, 22 Feb 1998 12:26:00 -0800  
From: "Mark W. McCann" <mwmccann@centuryinter.net>  
To: qrp-1@Lehigh.EDU  
Subject: [4507] Re: Magnetic mounts  
Message-ID: <34F089D7.F913F8AC@centuryinter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For several years I have used the tri-magnet mount on the roof of a full size pickup truck with no problems. This has been used with 1/4 wave 2m, hamsticks (various bands), as well as an Outbacker Perth ( much larger diameter than the sticks ). I can't say that the magnetic base was never lifted ( the outbacker/tri-mag was no match for a low tree limb at 55 mph. ) but it did slap back down into more or less its original position. I have never had the mount release in any fashion from wind resistance or passing semi trucks even at 70 mph though even with icing conditions here in the northland.

I did add extra grounding connections for the lower hf bands although in my case I am not real sure that it makes any difference at 40m or above (can't hurt though ).

A buddy of mine has had occasional problems on a full size van roof because of the ribbed roof design (the flatter the surface the better obviously).

I have looked at the 4 and 5 magnet models but because the tri mag model has worked perfectly I haven't bothered changing. In most cases I think the quad mag mount may be overkill unless you are trying to support something with a lot more wind resistance than what I have run (Bugcatcher, Screwdriver ?) .

73.....Mark/WA8VNZ  
wa8vnz@qsl.net

-----  
Date: Sun, 22 Feb 1998 10:10:01 -0800  
From: Monte Stark <ku7y@dri.edu>  
To: k9ljb@iname.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [4508] Re: K9LJB Web site update.  
Message-ID: <34F069F9.BA5239ED@dri.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Roger,

I well remember the Collins PT0's. I was given a 75A3 that didn't work. I already had a 75A2A, which was the A2 that the factory had installed the mechanical filter in.

Anyway, the PT0 had no output. Instead of removing the front panel, a job that you really don't want to do, I removed the shaft coupling and cut and bent the chassis enough to remove the PT0.

In all the years I had old Collins radios, I never broke that seal on a PT0. But now I did! Inside was the worst soldering I had ever seen! But I cleaned it up and it still didn't work. There was a feedback cap from a coil tap to the tube. It was tubular ceramic. The color code was just right for a 10K resistor. And it measured 10K on the meter! I finally traced the schematic a bit and saw that the osc could not work if that was a resistor. I pulled it off and replaced it with a cap and as far as I know it's still working today!

I kept that cap for years. I'd show it to everyone that didn't run fast enough!

While we are making Collins lovers puke, here is what else I did to that poor thing.... I replaced the BFO with a product detector. Solid state.



Think it was a 3038 or some such funny number. Worked fine. I also put a gain control to make it a bit nicer. Also added a solid state power supply and audio chain.

The thought of taking the covers off these new rice box's and "fixing" them the way I want scares me! Sure glad my 1000mp is perfect. That way I don't even have to think about it!

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M  
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49  
AR QRP #150-----DM09cg-----New Washoe City, NV

-----  
Date: Sun, 22 Feb 1998 10:31:50 -0800  
From: Vic Rosenthal <rakefet@rakefet.com>  
To: henryf@quartz.gly.fsu.edu, Low Power Amateur Radio Discussion <qrp-  
l@Lehigh.EDU>  
Subject: [4509] Re: Interest in single lever paddle?  
Message-ID: <34F06F16.FDA65BF1@rakefet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Henry Freedenberg wrote:

>  
> Check out the link.  
>  
> Their BK-100 bug looks an awful lot like a model Lafayette Radio was  
> selling for 11.95 in the 60's.

Sure -- because Hi-Mound manufactured the 'Skilman' bug back then as well.

Vic K2VCO

-----  
Date: Sun, 22 Feb 1998 13:31:52 EST  
From: KB9RPD@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [4510] TunaTin2 Web Page Updated!

Message-ID: <38c3ba5.34f06f1b@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hello everyone. Well after a short time of just wanting to be plain old lazy...and CW practice... I decided to get a step closer to finishing my TunaTin2. You can see my latest updates to my web page for the TunaTin2, <http://members.aol.com/kb9rpd/tt2.html>

I have updated the page so it loads faster. Instead of loading all the images immediately, I have provided links to each image. Just click on the link to see each image.

If you have any suggestions or comments, please let me know.

I want to thank everyone for their fantastic suggestions and comments on my CW. It has taken me a while to read them, but I am finally through! Lots of good stuff I can use!

73, Ted - KB9RPD

-----  
Date: Sun, 22 Feb 1998 10:38:05 -0800  
From: Vic Rosenthal <rakefet@rakefet.com>  
To: Arjen.Raateland@vyh.fi  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [4511] Re: Dan's not to accept orders from outside USA  
Message-ID: <34F0708D.BCC1072@rakefet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Arjen Raateland wrote:

>  
> I just read this on the WWW and I really hope it isn't a trend:  
>  
> Dan's ~ Small Parts and Kits  
> ....  
> ORDERS NO LONGER ACCEPTED FROM CANADA AND OUTSIDE OF THE UNITED STATES.  
>  
> I wonder WHY?

Because his bank undoubtedly dings him a bunch for currency conversion and clearing foreign checks, transfers, etc. My business sells overseas and we constantly get

charges of US \$35 or more for this kind of thing. The only way to avoid it is to accept payment only in international money orders cleared through a US bank (or send greenbacks through the mail).

Vic K2VCO

-----  
Date: Sun, 22 Feb 1998 13:44:25 -0500 (EST)  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [4512] HP test eqpt FS/trade  
Message-ID: <Pine.GS0.3.96.980222133132.10098A-1000000@callisto.acsu.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have more stuff than space.

I have a Hewlett Packard HP 200CD wide range signal generator that provides excellent waveforms in the subsonic, audio and ultrasonic ranges :-)

5 Hz to 600 Khz in five overlapping decade bands complete with manual.

HP 410B vacuum tube voltmeter. This one does not have probes included ( you would have to supply probes) I have a copy of the manual for this one. It is in very nice condition.

Why am I getting rid of these? I usually use a HP8640B and another HP meter . I have had the others as spares but will never use them because this stuff is built to last.

This stuff is heavy duty and just plain heavy :-)  
I would be interested in a trade or whatever. You will have to do the homework to determine value.

73,

Jim N2GO  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
Life member ARRL  
jskalski@acsu.Buffalo.EDU

-----  
Date: Sun, 22 Feb 1998 11:20:33 -0800  
From: "Arthur Moe" <KB7WW@chatusa.com>  
To: "Qrp" <qrp-1@Lehigh.EDU>  
Subject: [4513] xtal checker  
Message-ID: <01bd3fc6\$f2449fa0\$e121a3ce@arthur-moe>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I picked up a box of rocks, mostly unmarked, does anyone have  
a circuit for for a checker, tester that will do both fundamental  
and overtones???

Thanks

art  
KB7WW@SignalONE.com

-----  
Date: Sun, 22 Feb 1998 13:59:12 -0600 (CST)  
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [4514] 2N2222 Power am  
Message-ID: <Pine.OSF.3.96.980222133515.909B-100000@curly.cc.utexas.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang,

I'm making some slow progress on my 2N2222 rig and now have a good, stable  
VFO, crystal BFO, and mixer working just great. I built the four 2N2222  
"power" amp from Doug DeMaw's but can't get any power out. I checked to  
make sure all four transistors were good before I installed them in the  
circuit. They all work in a simple oscillator. I used a 51 ohm  
transistor from base to ground as suggested by WA8MCQ in his write up on  
the surface mount edition in the January 1998 QRP Quarterly. I can hear a  
very loud signal in my receiver from the mixer/driver circuit. I used two

2n2222's as a driver following the mixer using Roy Gregson's circuit from the NW80/20 rig. I don't have a watt meter so can't measure the output from the driver...gonna have to wire that RF probe circuit sooner or later. My question is, if I don't have enough drive coming out of mixer/driver circuit would the power amp circuit not conduct??? Will a really bad impedance mismatch reduce the power so much that it isn't getting driven hard enough. The original DeMaw article suggested the input resistance of the circuit was 33 ohms and I'm using a 51 ohm resistor to set the input resistance. I didn't think that would cause that much of problem???

I know this probably isn't enough information to tell what the problem is, but if you could point me in the direction of what to check it would help. BTW, I am getting 12v on the collector but NO voltage on the emitter. I can also pick up an RF signal off the base using a frequency counter, so I know at least some RF is getting to the base of the power transistors.

Thanks for your help.

Gary, KJ5VW

-----  
Date: Sun, 22 Feb 1998 12:01:55 -0800  
From: Conrad <radman@best.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [4515] RE: xtal checker  
Message-ID: <01BD3F89.AC30F140@radman.vip.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Here's the URL for a simple checker that I've built to identify "unknown = rocks." <http://www.ybi.com/brink/qrp/crystaltester.html>=20

About \$7 in parts cost. Works very well! But, I wouldn't call it = 'sophisticated.' It's certainly effective for checking fundamental = frequency up to perhaps 14Mhz. The original circuit is evidently from = "Popular Electronics."=20

If anyone has a more exotic design for higher frequency and overtones... = I'd be very interested as well.

tnx -- 72 -- Conrad -- nn6cw.

\*\*\*\*\*

-----Original Message-----

From: Arthur Moe [SMTP:KB7WW@chatusa.com]  
Sent: Sunday, February 22, 1998 11:21 AM  
To: Low Power Amateur Radio Discussion  
Subject: xtal checker

I picked up a box of rocks, mostly unmarked, does anyone have=20  
a circuit for for a checker, tester that will do both fundamental  
and overtones???

Thanks

art

KB7WW@SignalONE.com

-----  
Date: Sun, 22 Feb 1998 15:29:39 -0500  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: Ron Smith <resmith@primenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [4516] Re: Interest in single lever paddle?  
Message-ID: <34F08AB3.3CAD@quartz.gly.fsu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sri

There was a link cited on the original post.

I've since dumped the original message. The site the link pointed to  
had pix of all the keys/paddles produced by the company. One of them  
looked like something I used to own in the 60's.

I will repost the link if I can find it.

Henry

-----  
Date: Sun, 22 Feb 1998 13:31:09 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: Vic Rosenthal <rakefet@rakefet.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [4517] Re: Dan's... payment on foreign orders  
Message-ID: <199802222030.NAA10549@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

>>of thing. The only way to avoid it is to accept payment  
only in international money orders cleared through a US  
bank (or send greenbacks through the mail).  
<<

Or credit cards, or drafts (like a cashier's check) drawn in \$US.  
Most banks, oddly, will even accept Canada Post money orders which  
can be drawn in \$US, and many Canadian banks will let their customers  
write checks in \$US and that works fine too.

A big problem is shipping, because the rates vary so much that you  
almost have to provide an individual "quote." Plus in my case a trip  
to the PO is extremely inconvenient, but has to be done if a package  
is to be insured. Which is why we use A0 rate (small packet)  
uninsured wherever possible.

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@mtechnologies.com  
Milestone Technologies  
Software, kits, tools...  
<http://www.mtechnologies.com>  
(303)752-3382  
--

-----  
Date: Sun, 22 Feb 1998 13:31:09 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: "Ron Smith" <resmith@primenet.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [4518] Re: Interest in single lever paddle?  
Message-ID: <199802222030.NAA10552@edison.chisp.net>

MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Hi, Ron--

>>"I've got a sample of the MK-702 SINGLE lever paddle  
from Hi-Mound..."  
I haven't so far found a Web site for them.  
<<

I guess you mean for Hi-Mound, but if so you won't find one because they don't have one. In fact, I deal with Hi-Mound itself through their export agents Toptron Corp, and neither of them has so much as an e-mail account. Ironical, when you think about Japan and technology, but these guys are very old-fashioned. FWIW they do have a CABLE address, but as far as I know you can't use the CABLE network without signing up with some company in England. Our correspondence is only by fax and mail (nobody there speaks English and nobody here speaks Japanese, so everything goes out to a translator at their end, adding a couple days to the correspondence loop).

I found out more about the history of Hi-Mound from reading Ingram's "Keys Keys Keys" than I have been able to get out of the horse's mouth. [g]

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@mtechnologies.com  
Milestone Technologies  
Software, kits, tools...  
<http://www.mtechnologies.com>  
(303)752-3382  
--

-----  
Date: Sun, 22 Feb 1998 13:35:52 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-l@Lehigh.EDU, cqclist@lists.csn.net,  
CQC.Officers.and.Committee.Chairs@edison.chisp.net, cqcf@fran.chisp.net  
Subject: [4519] CQC QSO Party  
Message-ID: <199802222035.NAA10656@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII



Content-transfer-encoding: 7BIT

Given the overlap with the DX contest I expect to start out on 10M and 15M. If enough of you local guys work me we might even be on there long enough for an opening or two, you never know...

Also locals can listen for spotting and such on the 2M simplex freq (146.445). As far as I can tell this is perfectly legal in our contest (no such thing as an assisted class).

Don't forget sideband is loggable too.

Good luck in the contest!

-----  
Date: Sun, 22 Feb 1998 15:35:47 -0500  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [4520] Single Lever Paddle  
Message-ID: <34F08C23.74F9@quartz.gly.fsu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The missing link has been found:

<http://www.mtechnologies.com/hk.htm>

Henry

-----  
Date: Sun, 22 Feb 1998 13:47:56 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
Cc: qrp-1@Lehigh.EDU  
Subject: [4521] Re: Interest in single lever paddle?  
Message-ID: <199802222047.NAA10883@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Hi, Henry--

>>I've since dumped the original message. The site the link pointed to had pix of all the keys/paddles produced by the company. One of them looked like something I used to own in the 60's.

I will repost the link if I can find it.  
<<

The direct link to our page for Hi-mound products is <http://www.mtechnologies.com/hk.htm>. In fact we don't show all of their products, just the ones we are stocking or have received samples of.

You might also be interested in <http://www.mtechnologies.com/key8.htm> which shows the Russian paddle from ElectroInstrument, and <http://www.mtechnologies.com/n1fn/keys.htm> which has images of some keys in my collection.

73  
Marshall Emm  
N1FN/VK5FN  
[n1fn@mtechnologies.com](mailto:n1fn@mtechnologies.com)  
Milestone Technologies  
Software, kits, tools...  
<http://www.mtechnologies.com>  
(303)752-3382  
--

-----  
Date: Sun, 22 Feb 1998 16:06:10 EST  
From: K4NK@aol.com  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [4522] QRP hamfest forum  
Message-ID: <2a90d9f5.34f09344@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Calling all QRPers,

I have been listing on the Knightlites board for some weeks about the QRP forum I am having as Forum chairman of the Upstate (S.C.) hamfest. If all that say they are interested come it will be a great success. Since some don't subscribe to the Knightlites page I will list it here. Come one come all.

Qrp Forum to be held May 9th, 1998 at the Upstate Hamfest. Time 9:00 to

11:00 am with a luncheon afterward if enough are interested. I have promise's of speakers from the Knightlites group and the No. Georgia QRP club. I am hoping for a speaker from the GrandStrand QRP soc. also. I have gotten a free inside flea table for QRPers to gather around or sell goodies. I have gotten door prizes (for the forum) and am looking for more. I have a flyer I will send out to all that are interested. Over 50 have replied so far. Also discount hamfest tickets to early buyers with SASE. For more info E-mail me direct and I will keep every one posted.

72  
Les K4NK  
Greenville, S.C.

-----  
Date: Sun, 22 Feb 1998 13:59:11 -0700  
From: "Ron Smith" <resmith@primenet.com>  
To: <mgemm@mtechnologies.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [4523] Re: Interest in single lever paddle?  
Message-ID: <005e01bd3fd5\$7cf29ae0\$3722a5ce@primenet.com.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks for the info Marshall. Yes, one would expect that any JA business would most definitely have a Web site in this day and age and at the very least an e-mail account. Interesting that they do not. Could it be that they are just an extremely small company and haven't as yet grown enough to handle the massive selling potential of the Internet? :-)

Thanks again for your response.

72

Ron Smith

-----  
Amateur Radio Callsign: KD7VD  
Boise, Idaho  
E-mail: resmith@primenet.com  
QRP-L #1291...ARCI #9580...NorCal #????  
AK/QRP #352  
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Date: Sun, 22 Feb 1998 12:21:47 -0900  
From: "Jim (AL7FS), Nancy (KL7NY), Juliann (WL7MP) & Issei" <larsennnc@alaska.net>  
To: qrp-1@Lehigh.EDU  
Subject: [4524] AL7FS Contest and Flea Market  
Message-ID: <34F096EB.696B8436@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from Alaska.

Contest:

I hope to work a bunch of you in the contest later today. I will be on starting about 0000Z.

Flea Market:

Sometimes you get lucky. If you consider that a Yaesu FP301 power supply is worth \$95, you could say I got the FT301D transceiver, the YO-301 Monitor Scope, and the Land Liner 301 phone patch for a total of \$55. Not a bad price. :-)

But then I picked up a Timewave DSP-9 for \$50.

And before I left, I purchased a working HP 1740A 100 MHz oscilloscope for \$50. Gotta get ready for Elmer101. (My 98 Handbook arrived on Friday.)

Not too bad. :-)

See you all on the air later today.

73, Jim, AL7FS

--

Jim Larsen  
Acupressure Anchorage  
Anchorage, Alaska

-----  
Date: Sun, 22 Feb 1998 17:12:25 -0500  
From: n2jgu@juno.com (Gary M Diana)  
To: qrp-1@Lehigh.EDU

Cc: embres@frontiernet.net, wb8ygg@juno.com, n2jgu@juno.com  
Subject: [4525] New Product: TiCK-EMB kit  
Message-ID: <19980222.171227.3494.2.n2jgu@juno.com>

Embedded Research is pleased to announce the availability of their newest product:

The TiCK-EMB (TiCK with Enhanced board and Memory Backup)

This kit supplies the builder with a 2"x2.5" silkscreened, single sided circuit board which features:

- On-board Keyline & Paddle jacks
- On-board TiCK pushbutton switch
- On-board 3v lithium cell (for TiCK memory backup)
- Low dropout, low quiescent current 5v regulator
- Static and RF protection
- Includes the TiCK-2B Keyer Chip (25 character memory, Beacon mode, etc)

For more information and to see an image of this kit, please surf over to:

<http://www.frontiernet.net/~embres> and follow the TiCK-EMB link

If you have any questions, please contact us at the addresses below.

73, Gary N2JGU / Brad WB8YGG  
Embedded Research  
PO Box 92492  
Rochester, NY 14692

embres@frontiernet.net  
<http://www.frontiernet.net/~embres>

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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 22 Feb 1998 16:28:09 EST  
From: k7sz@juno.com  
To: qrp-l@Lehigh.EDU, qrp@qth.net, tentec@contesting.com, tentec@qth.net  
Subject: [4526] Scout 555/Argo 556  
Message-ID: <19980222.223222.18759.2.k7sz@juno.com>

Well, gang.....

After playing with an Argo 556 for several hours yesterday and reviewing over 60 e-mail postings to me directly, I have decided that I really don't want to get a 555/556.

Actually, I think that the Elcraft K-2 might be the rig to buy, based upon what I found at their web site. Looks to be more radio for about the same amount of money.

Many thanks to all who responded.....

73 rich K7SZ

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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 22 Feb 1998 14:30:18 -0900  
From: Bruce Hopkins - KL7JAF <[kl7jaf@polarnet.com](mailto:kl7jaf@polarnet.com)>  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [4527] CQC - Contest...  
Message-ID: <[v03007800b11662100645@\[204.119.15.51\]](mailto:v03007800b11662100645@[204.119.15.51])>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

The bands are still very crowded with the DX contest in progress but that will all cease in about 45 minutes... Think how excited all those signals have made the ether !!! 10 meters is dead here in interior Alaska but 15m sounds good... Worked K10J on 15 and a couple of others but the din is just too much even with the 250hz filter... Sounds like Jim will be on from Anchorage if he can leave his new toys alone... Here is your chance to bag a couple of us Alaskans starting at 0000z...

Don't forget to mark your calendar for the Alaska State QSO Party !!! One month from this weekend, March 21st & 22nd, 1998, details are on the AK/QRP web site... There will be three special awards sponsored by the AKQRP Club for the QRP'ers that participate in the QSO Party... I will put out a few more reminders as we get closer to the date...

Take care and have fun and hope to see you all in the CQC test today...

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www2.polarnet.com/~bhopkins/akqrp>

\*\*\*\*\* ALASKA QSO PARTY - MARCH 21ST & 22ND 1998 \*\*\*\*\*  
See AKQRP Web Site for Details

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Date: Sun, 22 Feb 1998 15:40:46 -0800 (PST)  
From: doug hauff <slmachco@fix.net>  
To: qrp-1@Lehigh.EDU  
Subject: [4528] 38S Enclosure USPS Inviso Ray victims?  
Message-ID: <199802222340.PAA06859@fletch.fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Date: Sat, 21 Feb 1998 05:35:44

>  
>  
>I have not determined the destination of all of the shipped 38S Enclosures  
that had their labels blanked by the Post Office. I know for a fact they did  
it, I did a test with a letter addressed to myself at home with my SLM shop  
return address...it showed up at my HOME with a totally blank label, BUT A  
BAR CODE BELOW THE BLANKED ADDRESS! This proves that: 1. The Post  
Office received my letter with fax-paper mailing label  
intact  
> 2. Someone at the Post Office read the label and applied  
the bar code 3. Some process (I presume a laser optic bar  
code reader) erased my label (under two layers of clear  
packing tape!)  
>  
>This means that if you mailed your Enclosure order before the middle of  
January, you are a victim of the USPS Inviso Ray! Contact me and I will  
reship your Enclosure immediately!  
>  
>72 Doug KE6RIE  
>  
>  
>

Date: Sun, 22 Feb 1998 18:56:34 -0500  
From: "Ken Hanks" <kennfd@ibm.net>  
To: <jaccham@mindspring.com>  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [4529] Re: Vertical wire help  
Message-ID: <01bd3fed\$818ad3c0\$4f0f48a6@kh>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jack:

1) Coax length should not be a factor. If the antenna impedance matches the coax, SWR 1:1 Ideally, the coax should run down from the feed point to prevent coupling, but I don't think this is too critical. A balun would not be needed. The feed line is unbalanced and so is the antenna (versus a dipole which is a balanced antenna)

2) How high is the antenna. For ground mounted feedpoints, length of radial is not critical. 1/4/ or 1/8 wave are OK. Ground rods are not very useful as the RF needs a return path from the radials.

3) I do not have any experience with ground screens. I would think that for 80M it would be quite large.

4) 1/4 wave is your best bet with using a matching transformer at the base.

Have you checked the integrity of the coax and connectors?

I used a 1/4 wire vertical for a year or so. (1) 1/4 wave radial and (3) 1/8 wave radials on the ground. Worked well and matched with out a tuner.

73 es good luck!

Ken K1XS@ibm.net

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End of QRP-L Digest 1009

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